

CALL FOR POC-2 GRANTS

Do you as an INCOM partner have research results with commercial potential of a new technology at the early stage of development? The INCOM PoC is addressing projects not yet linked to an industrial partner, thus an ultimate goal could be to create the basis for a spinout. As in 2019, you can now apply for DKK 250.000 or DKK 500.000 from INCOM's Proof-of-Concept (PoC) funding. In 2019, INCOM granted two PoC-1 projects DKK 250.000 each. The goal of this PoC-2 is to eliminate or minimize the impact of commercial and technical risks while preparing for bringing the research results towards a market. The project can include technical activities e.g. the need to show a prototype, cover salary costs, components (hardware) for prototypes, commercial and technical consultants, market reports etc. The PoC-2 application guideline can be found on the INCOM website [here](#); feel free also to contact [Michael Holbech](#), DTU, if you have any questions.

NEW PARTNER FOR NARROW LINEWIDTH COMBS FOR COMMUNICATION

One task in INCOM is aimed at duplicating the excellent coherence properties of NKT Photonics (NKTP) lasers to many lines using nonlinear microring resonator microcombs. High coherence allows more advanced modulation formats with more bits/symbol and the correlated noise properties between lines using combs for communication also presents new possibilities for improving high capacity links. In this new collaboration, Chalmers University (V. Torres Company) has fabricated silicon nitride devices, which is packaged by an external company to be combined with an ultranarrow linewidth laser from NKTP. Stabilization of the comb output and detailed characterization of the individual lines will be done in INCOM. The collaboration was spun out from an existing project (iTRAN) between Chalmers (FORCE) and DTU (SPOC) where a single source employing a so-called dark soliton has been used to transmit several pentabits/s through a single fiber.

REBUDGETING AND DEADLINE

The deadline for the partners to submit their input to the rebudgeting phase passed some days ago. The status is that only eight partners have submitted their input of which half have managed to use the provided complex template as intended. Those partners not having submitted or with issues with using the template therefore will be contacted by DTU controller Casper Jull Olsen just after the summer break in an attempt to rectify the outstanding issues. The process needs to be signed, sealed, and delivered to IFD before September 1st in order not to affect the partners invoicing scheduled for September, 2020.

WORKING GROUP ON INCOM-II

Nine INCOM partners have now signed up for the INCOM-II working group where the overarching draft scope of an INCOM-II proposal will be discussed and common denominators will be identified. The group will work towards an INCOM-II workshop scheduled for mid-September, 2020. Members of the new working group:

- DTU Fotonik, Leif K. Oxenløwe
- DOFI, Lars Grüner-Nielsen
- Bifrost Communications, Jesper Bevensee Jensen
- Chocolate Cloud, Daniel Enrique Lucani Rötter
- Mellanox, Juan José Vegas Olmos
- Comcores, Thomas Gerner Nørgaard
- Zeuxion, Anders Fisker
- AU, Rune Hylsberg Jacobsen
- Telia, Bo Vendelsø-Nielsen